

Converting Colors

Yxy(80.6621, 0.3846, 0.5329)

Have a look what the booklet for
Yxy(80.6621, 0.3846, 0.5329)
contains.

Yxy(80.7887, 0.3844, 0.5330) 3

***Conversions* 4**

***Details* 6**

***Harmonies* 12**

***Previews* 24**

***Color Blindness Simulation* 27**

***CSS Examples* 30**

Color

Yxy(80.7887, 0.3844, 0.5330)

Conversions

Conversions Part 1	
Format	Color
Hex	C9FA00
RGB	201, 250, 0
RGB Percent	79%, 98%, 0%
CMY	0.2119, 0.0195, 1.0000
CMYK	0.20, 0.00, 1.00, 0.02
HSL	72°, 100%, 49%
HSV	72°, 100%, 98%
XYZ	58.2649, 80.7887, 12.5200
YIQ	206.8490, 51.0460, -88.1380

Conversions

Conversions Part 2

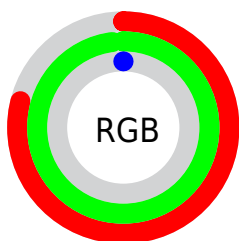
Format	Color
RYB	0, 250, 49
Decimal	13236736
CIELab	92.04, -40.94, 89.02
CIELCh	92, 97.979, 114.696
Yxy	80.7887, 0.3844, 0.5330
Android (android.graphics.Color)	4291426816 (0xFFC9FA00)
YUV	206.8490, -101.9766, -5.1296
Hunter-Lab	89.8825, -41.5848, 54.6591

Details

The Yxy color **80.7887, 0.3844, 0.5330** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.5574, 0.1583, 0.0646**, and the grayscale version is **62.9374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5882, 0.4009, 0.4748**, and **43.8026, 0.3723, 0.5426** is the 20% darker color. If you saturate the color by 10%, you get **80.7925, 0.3844, 0.5330**, and if you desaturate by 10%, it is **81.5533, 0.3861, 0.5267**.

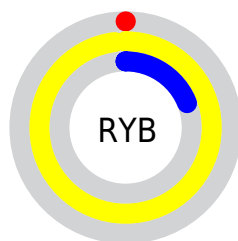
Distribution



Red (79%)

Green (98%)

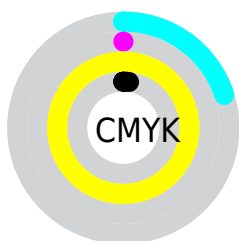
Blue (0%)



Red (0%)

Yellow (98%)

Blue (19%)

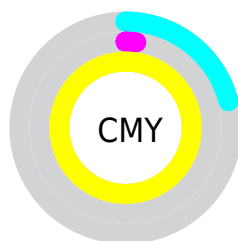


Cyan (20%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (21%)


Magenta (2%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.7887, 0.3844, 0.5330 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 80.7887, 0.3844, 0.5330 by changing the saturation by 10% instead.


 80.7887, 0.3844,
0.5330

 80.7887, 0.3844,
0.5330


497.5868, 0.3629,
0.4425


 60.3676, 0.3856,
0.5508


 134.4740, 0.3799,
0.5036

 43.7150, 0.3852,
0.5708


 168.5071, 0.3772,
0.4915


 30.4465, 0.3819,
0.5931


 207.8462, 0.3746,
0.4808

 20.1777, 0.3765,
0.6219

 252.8757, 0.3720,
0.4714

 12.5243, 0.3573,
0.6427

 303.9802, 0.3695,
0.4629

 7.1018, 0.3292,
0.6708


 361.5440, 0.3672,


 3.5259, 0.2865,

0.4554

0.7135


425.9514, 0.3650,
0.4486


 1.4120, 0.1592,
0.8408


 0.2256, 0.0000,
1.0000


 80.7887, 0.3844,
0.5330

 80.7887, 0.3844,
0.5330

 80.7925, 0.3844,
0.5330

 81.5533, 0.3861,
0.5267


 82.4259, 0.3856,
0.5162


 83.4382, 0.3824,
0.5010


 84.6073, 0.3767,
0.4816

 85.9473, 0.3687,
0.4586

 87.4708, 0.3590,
0.4333

 89.1890, 0.3480,
0.4068

 91.1121, 0.3363,
0.3801

 93.2495, 0.3244,
0.3539

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7887, 0.4740, 0.4707



80.7887, 0.3844, 0.5330



80.7887, 0.2832, 0.5243

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.7887, 0.3844, 0.5330



80.7887, 0.1336, 0.2073



80.7887, 0.4271, 0.2540

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



80.7887, 0.3844, 0.5330



7.5574, 0.1583, 0.0646

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7887, 0.3093, 0.2023



80.7887, 0.3844, 0.5330



80.7887, 0.1559, 0.1740

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.7887, 0.3844, 0.5330



80.7887, 0.1446, 0.2874



80.7887, 0.2133, 0.1743



80.7887, 0.5143, 0.3202

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.7887, 0.3844, 0.5330



80.7887, 0.2211, 0.4594



80.7887, 0.2133, 0.1743



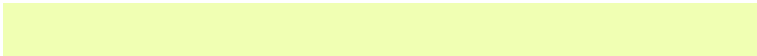
80.7887, 0.3881, 0.2346

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



80.7925, 0.3844, 0.5330



93.2781, 0.3480, 0.4069



22.2679, 0.6231, 0.3434



19.7976, 0.3528, 0.4182



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7925, 0.3844, 0.5330



84.4946, 0.3844, 0.5330



70.0500, 0.3145, 0.5885



20.0086, 0.3238, 0.3526



42.9105, 0.3850, 0.5325



4.0166, 0.3893, 0.5291

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



7.5574, 0.1583, 0.0646



7.8989, 0.1583, 0.0645



15.5434, 0.2409, 0.1101



16.8069, 0.3009, 0.3047



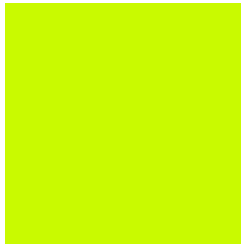
4.0549, 0.1594, 0.0652



0.4173, 0.1697, 0.0709

Previews

White Background



This preview shows how the Yxy color 80.7887, 0.3844, 0.5330 looks on a white background.

Color Contrast Check

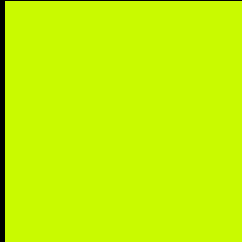
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 80.7887, 0.3844, 0.5330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7887, 0.3844, 0.5330

Background



This preview shows how black text looks on a background with the Yxy color 80.7887, 0.3844, 0.5330.

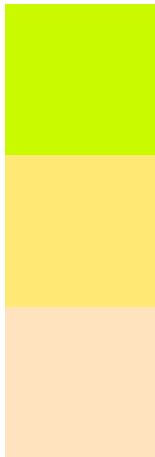


This preview shows how white text looks on a background with the Yxy color 80.7887, 0.3844, 0.5330.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

80.7887, 0.3844, 0.5330

Protanopia

80.2342, 0.4033, 0.4417

Deuteranopia

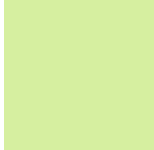
79.9598, 0.3572, 0.3656



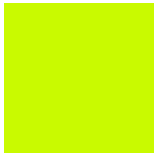
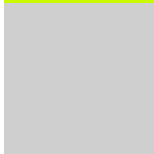

Tritanopia

80.2079, 0.2946, 0.3093

Trichromacy

	Original Color 80.7887, 0.3844, 0.5330
	Protanomaly 79.8896, 0.4030, 0.4852
	Deuteranomaly 78.4840, 0.3835, 0.4460
	Tritanomaly 78.5672, 0.3445, 0.4168

Monochromacy

	Original Color 80.7887, 0.3844, 0.5330
	Achromatopsia 62.3960, 0.3127, 0.3290
	Achromatomaly 67.4204, 0.3594, 0.4348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7887, 0.3844, 0.5330 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(201, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(201, 250, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(201, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 250, 0) }
```

Border

The CSS property to change the border of an element to Yxy 80.7887, 0.3844, 0.5330 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(201, 250, 0) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(201, 250, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(201, 250, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(201, 250,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 80.7887, 0.3844, 0.5330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 250, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(201,  
250, 0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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